

# **Task - 5**

## **Program 1:**

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
public class Main {
    public static void main(String[] args) { String url =
"jdbc:mysql://localhost:3306/mydatabase";
String username = "username";
String password = "password";
try (Connection connection = DriverManager.getConnection(url, username,
password)) {
    System.out.println("Connection to MySQL database established successfully!");
} catch (SQLException e) {
    System.out.println("Connection failed!");
    e.printStackTrace();
}
}
```

## **Program 2:**

```
SELECT c.first_name, c.last_name, o.order_date, o.total_amount
FROM customers c
INNER JOIN orders o ON c.customer_id = o.customer_id;
```

## **Program 3:**

```
SELECT d.department_name, e.first_name, e.last_name
FROM departments d
LEFT JOIN employees e ON d.department_id = e.department_id;
```